Report 1 – Compartment Review Presentation

Baraga Forest Management Unit

Compartment 38
Entry Year 2015
Acreage: 1,593
County Houghton
Management Area: Central Houghton

Revision Date: 07/17/2013

Stand Examiner: Jason Mittlestat

Legal Description:

Houghton County, Portage Township.
T52N R35W Sec: 25, 26, 27

Identified Planning Goals:

Central Houghton (4.6)
To maintain a healthy; sustainable forest with special consideration to wildlife habitat,fisheries habitat, and recreational needs while protecting the water resources.

Soil and topography:

Munising loamy fine sand, Liminga fine sand, Kalkaska sand, Yalmer loamy sand, Pelkie loamy fine sand, Au Gres sand, Halfaday sand, Assinins sand, Skanee loamy sand. The topography is level to rolling with steep slopes along the streams.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

The surrounding ownership is a mix of forest industry and small private owners. Adjacent lands are managed for timber and recreation.

Unique, Natural Features:

Bear Creeks and the North Branch Otter River run through the compartment.

Archeological, Historical, and Cultural Features:

The Donken-Tapiola Road was a former logging railroad.

Special Management Designations or Considerations:

None listed.

Watershed and Fisheries Considerations:

The compartment is within the Otter River watershed. North Branch Otter River, North Branch Bear Creek and South Branch Bear Creek are all top quality trout streams.

Wildlife Habitat Considerations:

Compartment 38 is found in the Central Houghton Management Area on Dissected Moraines in Central Houghton County. The major forest cover types include Northern Hardwoods, Aspen, and Mixed Lowland Conifer. Some of the most significant wildlife management issues in the management area are: mesic conifers; mature forest; habitat fragmentation; course woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents almost 15% of the WUP State Forest hemlock resource and is one of the few MAs where the species reliably regenerates and recruits.

The following have been identified, as featured species for the Central Houghton Management Area:
Blackburnian Warbler, Pileated Woodpecker, and Northern Goshawk.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured and minor lacustrine (lake) sand and gravel and fine-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. The nearest gravel pit is located just to the south and potential appears to be good. Abandoned copper mines and crushed basalt piles are located six miles to the west. The compartment has not been leased previously. Limestone outliers are located two miles to the southeast. There is no economic oil and gas production in the UP.

Vehicle Access:

Access is good through most of the compartment. The Horoscope Hill road and Otter River road provide most of the access.

Survey Needs:

Survey work will be needed to facilitate timber harvest activities.

Recreational Facilities and Opportunities:

The Donken-Tapiola road is part of the Twin Lakes to Baraga ORV connector route.

Fire Protection:

This is not a fire prone area.

Additional Compartment Information:

The following reports from the Inventory are attached:

- **Total Acres by Cover Type and Age Class**
- **Cover Type by Harvest Method**
- **Proposed Treatments – No Limiting Factors**
- **Proposed Treatments – With Limiting Factors**
- **Stand Details (Forested and Nonforested)**
- **Dedicated and Proposed Special Conservation Areas**
- **Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

- **Base feature information, stand boundaries, cover types, and numbers**
- **Proposed treatments**
- **Site condition boundaries**
- **Details on the road access system**

Report 2 – Total Acres by Cover Type and Age Class

Baraga Mgt. Unit **Compartment 038 Year of Entry 2015**

Jason Mittlestat : Examiner

Age Class

	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	Total
Aspen	142	72	23	0	0	0	0	0	33	19	0	0	0	0	**288**
Lowland Conifers	0	0	0	0	0	0	0	0	0	221	0	0	0	0	**221**
Mixed Upland Deciduous	0	0	0	0	0	0	7	0	0	0	0	0	0	10	**18**
Northern Hardwood	0	0	0	0	0	0	45	0	0	232	0	0	0	665	**942**
Upland Mixed Forest	0	0	0	0	0	0	0	0	115	0	0	0	0	0	**115**
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	**9**
Total	**151**	**72**	**23**	**0**	**0**	**0**	**53**	**0**	**148**	**472**	**0**	**0**	**0**	**675**	**1593**

Report 3 – Proposed Treatment Summaries

Baraga Mgt. Unit
Year of Entry 2015

Compartment 038
Total Compartment Acres: 1593

Acres by Treatment Type

Commercial Harvest - 541	Tree Planting - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen Types	47	0	0	0	0	0	**47**
Northern Hardwood	0	495	0	0	0	0	**495**
Total	**47**	**495**	**0**	**0**	**0**	**0**	**541**

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	**11038001-Cut**	13.8	4115 - Y.Birch, Hemlock NH	High Density Log	99	111-140	Harvest	Single Tree Selection	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar where present. Also, retain some large seed producing Ash and Black Cherry. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Other Comments: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Steps:

Proposed Start Date: 10/01/2012

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	**11038002-Cut**	57.4	4115 - Y.Birch, Hemlock NH	High Density Log	99	111-140	Harvest	Single Tree Selection	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar where present. Also, retain some large seed producing Ash and Black Cherry. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Other Comments: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Steps:

Proposed Start Date: 10/01/2014

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5	**11038005-Cut**	97.7	4112 - Maple, Beech, Cherry Association	High Density Log	99	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar where present. Also, retain some large seed producing Ash and Black Cherry. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Other Comments: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Steps:

Proposed Start Date: 10/01/2014

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6	**11038006-Cut**	207.7	4119 - Mixed Northern Hardwoods	High Density Log	99	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar where present. Also, retain some large seed producing Ash and Black Cherry. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Other Comments: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Steps:

Proposed Start Date: 10/01/2014

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
12	11038012-Cut	30.0	4136 - Aspen, Mixed Conifer	High Density Log	82		Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal

Prescription Specs: Harvest all species down to 2 inches DBH except red oak, hemlock, white pine, yellow birch and cedar if present.

Other Comments: Maintain 300' from the Bear Creek for riparian concerns. Retention for this stand will be greater than 3% and will consist of reserve tree species and the riparian buffer.

Next Steps: Check for adequate regeneration within 5 years of harvest completion.

Proposed Start Date: 10/01/2014

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
15	11038015-Cut	111.5	4119 - Mixed Northern Hardwoods	High Density Log	99	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Do not harvest oak, hemlock, white pine and cedar where present. Also, retain some large seed producing Ash and Black Cherry. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Other Comments: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Steps:

Proposed Start Date: 10/01/2014

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
27	11038027-Cut	16.7	4136 - Aspen, Mixed Conifer	High Density Pole	91		Harvest	Clearcut with Reserves	4136 - Aspen, Mixed Conifer	Cmpt. Review Proposal

Prescription Specs: Harvest all species down to 2 inches DBH except red oak, hemlock, black cherry, white pine and cedar.

Other Comments: There is a wet area through the stand that might have to be removed if it is deemed too wet to operate in. Maintain 300' from the Bear Creek and Otter River for riparian concerns and to satify retention guidelines.

Next Steps: Check for adequate regeneration within 5 years of harvest completion.

Proposed Start Date: 10/01/2014

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
29	11038029-Cut	6.4	4119 - Mixed Northern Hardwoods	High Density Log	99	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 sqft of BA. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to no less than 100 sqft of BA. Follow all guidelines set forth in "The Complete Marker".

Other Comments: Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species.

Next Steps:

Proposed Start Date: 10/01/2014

Total Treatment Acreage Proposed: 541.4

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
			#Type!							

Prescription Specs:

Other Comment:

Next Steps:

Proposed Start Date: #Type!

Limiting Factor

Total Treatment Acreage Proposed: **0**

Report 6 – Out of YOE – Treatments Prescribed with No Limiting Factor

Year of Entry: 2015

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status

Prescription Specs:

Other Comments:

Next Steps:

Proposed Start Date: #Type!

Total Treatment Acreage Proposed: **0**

Data updated yesterday after 6:00 PM

LEMARBEM

Report 7 – Site Conditions

Baraga Mgt. Unit | **Compartment 038**

Jason Mittlestat : Examiner | **Year of Entry 2015**

Availability for Management

Total Acres	Acres Available	Acres Not Available		Dominant Site Conditions No	5C	3J	2F
288	274	14	**Aspen**	274		14	
219	3	217	**Lowland Conifers**	3		217	
18	7	10	**Mixed Upland Deciduous**	7			10
940	937	4	**Northern Hardwood**	918	19	1	3
115		115	**Upland Mixed Forest**			115	
1,581	1,221	360	Total Forested Acres	1,202	19	347	13
	77%	23%	Relative Percent				

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
002	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	9				
Comments: This area of the stand had a lot of aspen removed.							
004	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	9	2G: Too wet (sensitive soils, does not include access issues)			
Comments:							
006	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	10				
Comments: Low stocking due to heavy aspen removal							

007	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	89	

Comments:
Otter river corridor

008	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	27	

Comments:
Otter river corridor

013	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	3	

Comments:
otter river corridor

014	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	1	

Comments:
otter river corridor

016	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	222	

Comments:
otter river watershed

018	**Not Available**	**2F: Too steep**	13	3J: Water quality / BMPs (stream, river, or lake)

Comments:

Report 8 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Bruno Creek	Concentrated Recreation Area	Boat Access Site	**SCA**	
Comments				
Clear Lake & Horseshoe Lake	Concentrated Recreation Area	Boat Access Site	**SCA**	
Comments				
Emily Lake	Concentrated Recreation Area	Boat Access Site	**SCA**	
Comments				
Greenier Creek	Concentrated Recreation Area	Boat Access Site	**SCA**	
Comments				
Otter River Tribs	Concentrated Recreation Area	Boat Access Site	**SCA**	
Comments				
Pike Lake Access Site	Concentrated Recreation Area	Boat Access Site	**SCA**	
Comments				
Sandy Lake	Concentrated Recreation Area	Boat Access Site	**SCA**	
Comments				
W. Branch Otter River	Concentrated Recreation Area	Boat Access Site	**SCA**	
Comments				
Emily Lake SFCG	Concentrated Recreation Area	State Forest Campground	**SCA**	
Comments				
Bear Creek	Habitat Areas or Corridors	Habitat Corridor	**SCA**	
Comments Trout Stream				

Report 8 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Otter River	Habitat Areas or Corridors	Habitat Corridor	**SCA**	
Comments				

Report 9 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4115 - Y.Birch, Hemlock NH	High Density Log	13.8	99	111-140	Last cut in 1997. Move up start time to FY 13 and cut with Cmpt 40.
2	4115 - Y.Birch, Hemlock NH	High Density Log	57.4	Uneven Age	111-140	Last cut in 1997. Use the road on the west side of the stand for the boundary.
3	4115 - Y.Birch, Hemlock NH	High Density Pole	5.8	Uneven Age	81-110	Poor quality and poor stocking. Put on rotation with the stand to the east.
5	4112 - Maple, Beech, Cherry Association	High Density Log	106.7	Uneven Age	111-140	The ends of the fingers will have to be removed from the treatment area because of lots of A3 and low BA's.
6	4119 - Mixed Northern Hardwoods	High Density Log	217.9	99	111-140	Bean Can Hdwds cut in 1997.
7	6128 - Lowland Coniferous, Mixed Deciduous	Low Density Pole	220.5	91	1-50	Riparian Corridor. Bear Creek and Tribs.
8	4112 - Maple, Beech, Cherry Association	High Density Pole	42.1	60	81-110	Moo Junice Hdwd, cut in 2006. Lots of A3 in the understory. Will most likely not be ready in 2025.
9	4112 - Maple, Beech, Cherry Association	High Density Pole	3.3	60	111-140	Move start date to cut with compartment 40
10	4119 - Mixed Northern Hardwoods	High Density Pole	59.7	Uneven Age	81-110	Moo Juice Hdwd cut in 2006. Look to cut in 2025. Some patches of thick A3 understory.
11	4130 - Aspen	High Density Sapling	7.5	16		Brown Ground cut 1997.
12	4136 - Aspen, Mixed Conifer	High Density Log	32.6	82		Budworm has killed most of the spruce, the aspen is falling down.
13	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	7.4	60	111-140	Look at in 2025 to see if it can be cut with "Moo Juice". Very poor quality timber.
14	4130 - Aspen	High Density Sapling	23.2	23		"Brown Ground" cut in 1997.
15	4119 - Mixed Northern Hardwoods	High Density Log	111.5	Uneven Age	111-140	"Brown Ground" cut in 1997.
16	4115 - Y.Birch, Hemlock NH	High Density Pole	139.9	Uneven Age	81-110	"Dusty Flames" Cut 2009.
17	4130 - Aspen	High Density Sapling	7.6	16		"Brown Ground" Cut in 1997.
18	4199 - Other Mixed Upland Deciduous	High Density Pole	10.4	Uneven Age	111-140	Hilly, inoperable, riparian corridor. The ridge tops have aspen on them and the bottoms have drainages.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	4119 - Mixed Northern Hardwoods	High Density Pole	59.8	Uneven Age	51-80	"Dusty Flames" Cut 2009. Probably will not be ready in 2025, has lots of aspen regeneration in the understory.
20	4130 - Aspen	High Density Sapling	21.3	16		"Brown Ground" Cut 1997.
21	4139 - Aspen, Mixed Deciduous	High Density Pole	26.4	17	1-50	Cut in 1999 before being Acquired . Some poor quality maple poles scattered in what should be an aspen stand. Looks as if it was a heavy aspen removal. The site should be managed for aspen.
22	4319 - Mixed Upland Forest	High Density Log	88.5	83		Bear Creek. Riparian corridor. Steep slopes to the river.
23	4115 - Y.Birch, Hemlock NH	High Density Pole	87.9	Uneven Age	81-110	Acquired in 2000. Cut in 1999. Poor stocking.
24	4139 - Aspen, Mixed Deciduous	High Density Pole	9.0	17	1-50	Acquired in 2000. Some maple poles in an aspen stand. Looks like a heavy aspen removal cut in 1998. The site should be managed for aspen. The stand is hillsides with a drainage running through it.
25	4115 - Y.Birch, Hemlock NH	High Density Pole	28.5	Uneven Age	81-110	Cut in 1998 and acquired in 2000. The stand had a heavy aspen removal on the finger ridges in the stand.
26	4130 - Aspen	High Density Sapling	77.6	5		"Bear Aspen" Cut in 2008
27	4136 - Aspen, Mixed Conifer	High Density Pole	19.3	91		Black ash drainage through the middle of the stand might have to be removed from the harvest area if it is too wet. Will have to buffer Bear Creek.
28	4319 - Mixed Upland Forest	High Density Log	26.6	83		Otter River corridor. Most of the white spruce has died.
29	4119 - Mixed Northern Hardwoods	High Density Log	7.6	Uneven Age	111-140	Along the Otter River.
30	4130 - Aspen	High Density Sapling	64.0	5		"Bear Aspen" Cut in 2008.

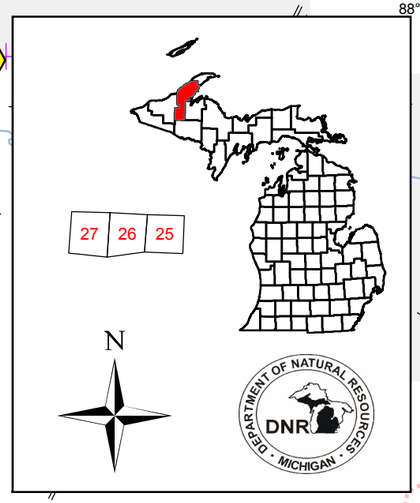
Report 11 – Nonforested Stands

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	122 - Road/Parking Lot	9.5	No	Unspecified	

Data updated yesterday after 6:00 PM

Cover Type & Treatment Map

Compartment: 038
T52N R34W
19 30
T52N R35W
24 25 26 27 28 36
County: Houghton
Unit: Baraga
YOE: 2015
Acres: 1,593 GIS Calculated
Examiner: Jason Mittlestat
Map Revised: 05/22/2013
Map Phase: Pre-Review



Stand # 23
Stocking Density
(412)0) - A7
Level 3 Level 4 OI Code
Cover Type Code

Legend

DNR Survey Corners
Miris Corners
Paved Roads
Gravel Roads
Poor Dirt Roads
Trail (Non-Recreation)
Closed Roads
Stream
Intermittent Stream
Lakes and Rivers
State Forest Land

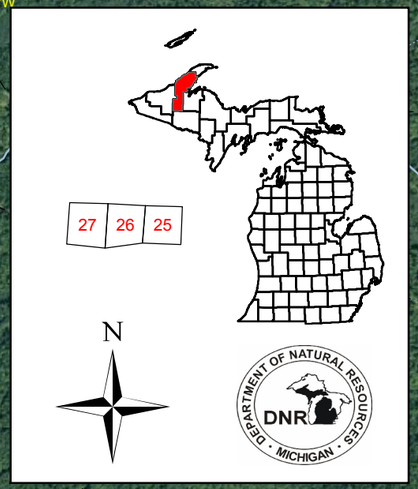
Treatments
Clearcut (w/Reserves, Patch/Strip)
Selection (Group, Single Tree)

Forest Stands
Level 3
411 - Northern Hardwood
413 - Aspen Types
419 - Mixed Upland Deciduous
431 - Upland Mixed Forest
612 - Lowland Coniferous Forest

Level 3
122 - Road/Parking Lot

Stand Boundary Map

Compartment: 038
T52N R34W
19 30
T52N R35W
24 25 26 27 28 36
County: Houghton
Unit: Baraga
YOE: 2015
Acres: 1,593 GIS Calculated
Examiner: Jason Mittlestat
Map Revised: 05/22/2013
Map Phase: Pre-Review



Stand # — Stocking Density
23 — (412)0) - A7
Level 3 Level 4 — OI Code
Cover Type Code

Legend

- DNR Survey Corners
- Miris Corners
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Stream
- Intermittent Stream
- Stand Boundaries

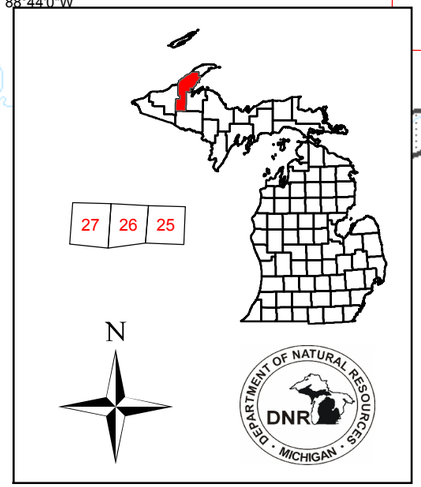
Forest Stands
Level 3
411 - Northern Hardwood
413 - Aspen Types
419 - Mixed Upland Deciduous
431 - Upland Mixed Forest
612 - Lowland Coniferous Forest

Non-Forest Stands
Level 3
122 - Road/Parking Lot

88°44'0"W 88°43'0"W 88°42'0"W 88°41'0"W 88°40'0"W
46°53'0"N 46°52'0"N
Horoscope
Fish Hatchery Rd
Horoscope Rd
Alder Dr
P113C
Unknown
1 0.5 0 1 Miles

Special Conservation Areas & Site Conditions Map

Compartment: 038
T52N R34W
19 30
T52N R35W
24 25 26 27 28 36
County: Houghton
Unit: Baraga
YOE: 2015
Acres: 1,593 GIS Calculated
Examiner: Jason Mittlestat
Map Revised: 05/22/2013
Map Phase: Pre-Review



Stand # 23 — Stocking Density
(412)0) - A7
Level 3 Level 4 OI Code
Cover Type Code

Legend
- Miris Corners
- Stand Boundaries
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)

Reviewable SCAs
- Proposed SCA
- SCA Removal

Dedicated Special Conservation Areas
- Cold Water Streams

Forest Stands
Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands
Level 3
- 122 - Road/Parking Lot

88°45'0"W 88°44'0"W 88°43'0"W 88°42'0"W 88°41'0"W 88°40'0"W
46°53'0"N
46°52'0"N

Bear Creek
Otter River
5C - 002
5C - 006
2F - 018
3J - 004
3J - 007
3J - 008
3J - 013
3J - 014
3J - 016
27
26
25
1 4115-M9
2 4115-M9
3 4115-M6
4 122-X0
6 4119-M9
7 6128-Q4
8 4112-M6
9 4112-M6
10 4119-M6
11 4130-A3
12 4136-A9
13 4191-MD6
14 4130-A3
15 4119-M9
16 4115-M6
17 4130-A3
18 4199-MD6
19 4119-M6
20 4130-A3
21 4139-A6
22 4319-UM9
23 4115-M6
24 4139-A6
25 4115-M6
26 4130-A3
27 4136-A6
28 4319-UM9
30 4130-A3

1 0.5 0 1 Miles